



## Direct Carbonate Fuel Cell (DFC™)



- DFC™ promises clean, efficient, low-cost energy for new millennium
  - No noble metals used in fabrication processes
  - Simplified manufacture, assembly, and operation
  - Multi-fuel capabilities
  - High quality waste heat cogeneration
  - Ultra high efficiency fuel cell/turbine hybrid
- New coating process and alloy compositions replace expensive nickel-clad stainless steel bipolar plates; metal/ceramic composite material enhances anode performance
- Reduced cost will accelerate worldwide introduction of efficient DFC™
- Development of Russian capacity for DFC™ component production will
  - boost Russian civilian economy
  - help meet global need for environmentally-friendly energy source



FuelCell Energy



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